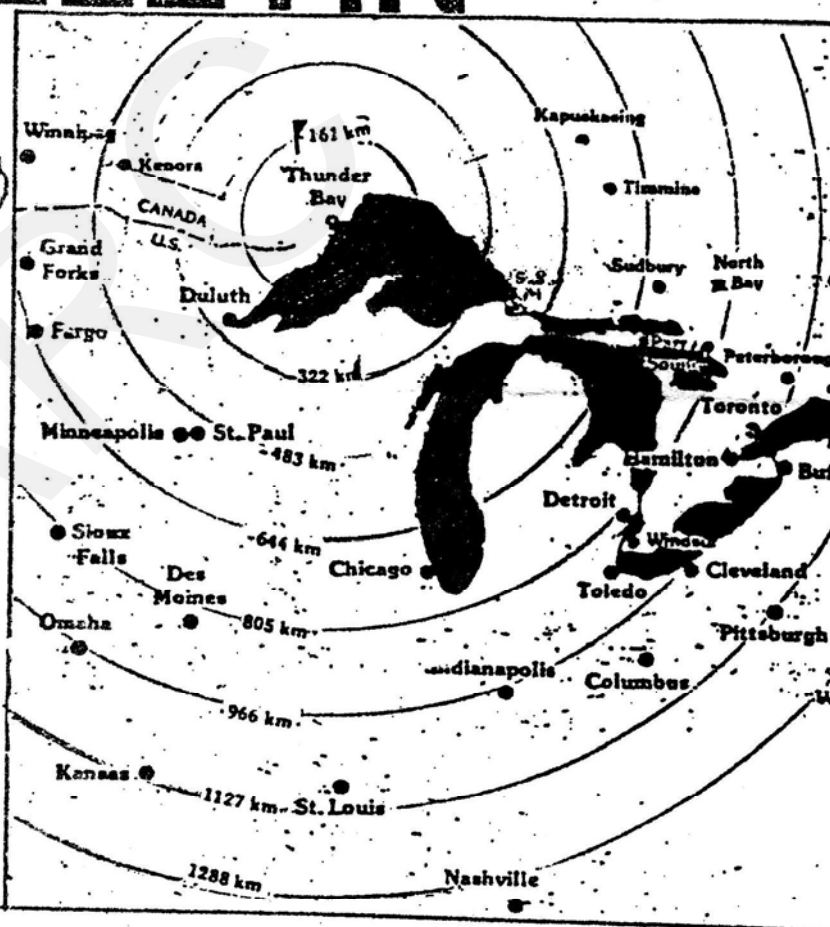


HI-Q

NOV - - 1986
1900

LAKEHEAD AMATEUR RADIO CLUB BULLETIN



REPEATERS

TBR 146.82

YQT 147.06

FOUNDED 1934

CLUB STATION

VE3FW

INCORPORATED 1979

MENT:

This issue of HI-Q is being mailed out to a number of Radio Amateurs in Thunder Bay and area that are not associated with the Lakehead Amateur Radio Club. It is hoped that you will read this complimentary issue which will give you some insight into what the club is doing around town and you may wish to join. The next general meeting is being held at the Emergency Measures Building on the corner of Waterloo and Victoria Avenues starting at 7:30 p.m. Coffee and doughnuts and a round table will be part of the evening.

At the last general meeting a motion was put on the floor that a 'Planning Committee' be formed to 'chart the course' of the Lakehead Amateur Radio Club over the next years. VE3JAB, Bob Bishop has offered his services as chairman of the committee. Bob laid out the plans for the Amateur Radio Station at Science City North at Sudbury and those who have visited the station must admit it is quite a set up. It is hoped that 'down the log' the club will be able to offer to the membership every mode of operation in Amateur Radio as it exists today. If you have some activity that you wish to be included in this report, please contact Bob. The report will be tabled at the January general meeting.

At the November meeting there will be a 2M 'Packet' demonstration, along with RTTY, AMTOR, ASCII and CW. The demo will be run at the club station in conjunction with Ed, VE3KRP (if we can keep him in town long enough) and it should give some idea of what packet is all about. Ed and myself will be working on .94 simplex and week or so before the meeting so if you hear some rather peculiar beeps and squawks, don't be concerned. Come out to the November meeting and see what it is all about. This time I won't forget the doughnuts.....or the 50/50 draw....or the round table.

My thanks to VE3XJ, VE3BCD, VE3OPI and VE3JAJ for their time and efforts spent on Mount Baldy. A UHF beam now sits atop the building at Mt Baldy for the Auto Patch and it seems to be providing better service but we still have some problems that have to be ironed out and overcome. The receiver on YQT was completely re-aligned and it is as good as it is going to get in its present state. We will be getting a full report on both repeaters at the December meeting from the repeater group as to what is required equipment and money wise to bring them right up to snuff.

One last item, before I close. Membership dues for the club are actually to be paid prior to or at the October meeting. There are some outstanding dues and if you wish to keep receiving HI-Q and be able to use Auto Patch and Speed Dial on the repeaters your dues should be paid prior to, or at the November meeting. If you wish they may be mailed to the club at PO Box 2571, Thunder Bay, Ontario P7B 5G1. Associated membership is \$10.00 and full membership with repeater dues is \$25.00.

Best 73's


Skip VE3BBS

Ham Awards

by William V. R. Smith N6MQS

Worked All States Award

When you receive your first QSL in the mail, it's an exciting moment. It confirms contact with another ham. You begin to collect QSL cards and clear off wall space to display your cards.

Each day, you're excited about your new contacts. You start searching for new states. It doesn't take long until you want to contact all fifty.

Making contact with all fifty states is the first on-the-air goal for most radio amateurs. A high-power rig is not required; contact with all fifty states has been done by stations with only five Watts of power.

The first step is to get your paperwork organized. You'll need a list of all fifty states and a checklist for completed contacts which shows receipt of QSL cards. This list should be nearby when you're on the air. A U.S. map is useful to provide a visual aid, and each state can be circled as contact is made.

Making contact with each of the fifty states is only the first step. Most awards will require proof of contact. An operator in each state must send you a QSL card. There are three rules to follow to make certain you receive these cards: 1) You must send a QSL to get one, 2) Send a self-addressed, stamped envelope, and 3) Make contact with at least three stations in each state.

The attached WAS worksheet will simplify and organize your paperwork. It will also make the effort a lot more fun. Along with a list of all fifty states, the form contains room to log contact with three stations per state. Three contacts should insure receipt of at least one QSL card. Next to the state name is room for an 'X'. This will show that a card has been received and the state is complete.

Most "Work All States" awards have special endorsements. You may earn an endorsement for contacting all fifty state capitals, contact on one band, or contact only with YL operators. Most awards have several endorsements available: Review the award rules for a list of the endorsements. You can make photocopies of the worksheet and use a new sheet for each endorsement.

The U.S. map shown below will orient you to each state's location and its distance from your shack. The call sign areas are marked to help you identify a station's possible location from the call sign.

After you have completed the worksheet, it's time to apply for a "Work All States" award. Many nets and clubs have WAS awards available. The most popular WAS awards are presented by the American Radio Relay League (ARRL).

You may request an ARRL WAS award application by sending a self-addressed, stamped envelope to: ARRL WAS Award Manager • 225 Main Street • Newington CT 06111.

Along with the application, you'll receive a list of the many awards available and the special endorsements.

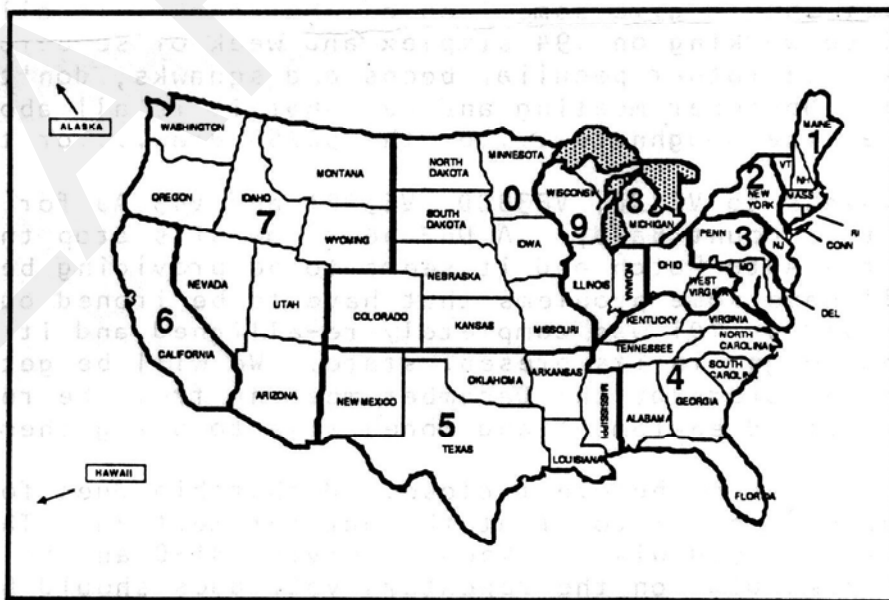
You will be required to fill out the application and sort your QSL cards

alphabetically by state. The application and cards must then be mailed to the awards manager for verification. If you want the cards returned, you must enclose sufficient postage for their return (approximately two dollars).

When everything checks out, you will receive a handsome WAS award in the mail. The award is shipped in a protective package to save it from the postal machines. The award will include your WAS number. This can be placed on your QSL cards. You have earned the award, so show off a little!

It took me almost four months to work all fifty states. In the process, I received over two hundred QSL cards from fifty states and thirty-five countries. I'm now working on state capitals and DXCC.

73 to you and yours. Good luck with "WAS," and I hope you tune in next month. N6MQS



U.S. map showing fifty states with all ten call sign areas. Circle each state as QSL cards are received. Alaska is in the seventh call area. Hawaii is in the sixth call area.

The WAS worksheet is available at the club station for those interested in obtaining this award

73's es c'd lk
Skip VE3BBS

The award form presented here was designed on an Apple Macintosh by N6MQS and printed on a Laser printer.



The Minutes Of The L.A.R.C. Exec Meeting Oct. 6, 1986.

Members Present: Skip-BBS, Leo-XT, Bob-JAB, Lindo-NHX,
Glen-JAU, Laurie-BCD.

Discussion on the Yard Sale which made \$134.00

Items from the sale at the Gen. Meeting.

Purchase of a copy of the book "Amateur Radio in Canada"

Net info Directory

Antenna Handbook

Names for acceptance of directory submitted as OTZ, ECV

LMN,

Was decided to keep the Pat Pugh fund quiet.

An estimate was made of \$500.00 plus, for the YQT
autopatch and accesories.

The destination of the Heliex was decided.

Committee report on By-Laws.

The Dinner Dance was discussed with the date being at
the DaVinci on the 21 of February. Also a deposit liquor
licence and other various minor details were discussed.
Also there was talk of discarding the Dance portion of
the dinner for social reasons which are apparently
complicated because of the loud music played.

The Minutes Of the General Meeting October 10, 1986

Officers Present: Skip - VE3BBS, Leo - VE3XT, Bob - VE3JAB,
Laurie - VE3BCD.

The meeting was opened by VE3BBS at 7:40 PM.

The minutes from the september meeting were accepted.

The correspondence was tabled.

The motion from the previous meeting was seconded by
VE3AUP. C

Committee Reports:

Dinner is at the DaVinci Feb 21, 1987
The YQT work party is going up to the
site on Oct 18, 1986

ARES - A new felephone tree is
available.

Code and Theory Classes - The course
is full and progressing well.

There were not any nominations for the new director.

It became unanimous that the club would purchase the
books mentioned in the Director Meeting minutes.

Ideas for the purchase of new gear for the club station
were put on the floor. As a result a long range
planning committee was formed of the members
Bob - VE3JAB, Leo - VE3XT and Bill - VE3XJ. They
are to make a presentation at the January 1987
meeting.

The Antenna Season was opened by Bill - VE3XJ and his
monotone brass band.

The meeting was adjourned at 9:40 PM by Garnet - VE3AUP
and seconded by Glen VE3JAU.

73's Leo - VE3XT

MICHIGAN GOES TO 20 KHZ BAND PLAN

According to a recent W5YI report, Michigan is changing their repeater frequencies to the 2-METER 20 KHZ band plan. Apparently, the surrounding states do not plan a similar move and will stay with the 15 KHZ band plan.

Implementation will take place in a ten day time slot, starting on U.S. Thanksgiving Day, with all moves to be completed by December 7. There is no word as of yet about the 28/88 and the 33/93 machines in the upper peninsula. They may stay with the 15 KHZ plan.

73's Tom-VE3CX

MicroNet News

MICRONET (formerly TBBS) has changed and is now sporting a new name. Plans are underway to upgrade to an IBM PC-XT, with a 25 MEGABIT hard drive, and will be completed this fall. The phone number is still the same; 345-3991.

As well the W5YI report (published twice a month), and the Guerri report are now regular features on MICRONET.

CHECK IT OUT!

73's Tom-VE3CX

This months major article is by Tom-VE3CX. I would like to take the time now to thank him for this article and the many others (very many) that he has also contributed. It sure makes Hi-Q a lot easier to put out.

Getting Started...

As of late, there has been a lot of new Amateurs appearing on the local scene, and this is nice to see. The code and Theory Classes seem to be working out quite well in assisting people get that elusive ticket in hand. The next big question is... now what? You studied and studied to get your ticket, but there are a few questions that you would like to ask, but don't know where to turn or who to ask. Well, the purpose of this column is to get you started on the right foot.

If you have any questions about Amateur Radio, and would like to see them answered here, I can be reached in several ways. My home phone number is 767-1453, and my work number is 623-6460. I can also be reached on

VE3TER (146.22/82), on the dial in - 345-5552, and of course on TBBS, but you will need a computer for the last one. I don't mean to infer that I am the one who can answer your questions - there are a lot of qualified people in the club, but if you are stuck, give me a call.

To start off with, I won't bot you to death with theory. If you want theory, the best source is from a book. They have lots and lots of space to devote to the subject. Instead, I will gear this column to the practical side of Amateur Radio... getting on the air and making contacts - that sort of thing. After all, making contacts and getting on the air is what Amateur Radio is all about. The theory is nice to know, so that you have a good understanding to what is happening when you close the key of key the microphone, but it is more important to get on the air!

One very important subject that needs a bit of attention is safety equipment - namely safety belts. There are a lot of people in town who have spent a lot of money to put up a tower and antennas in the back yard, but have overlooked this very important item. If you own a tower, or plan on doing any tower work, there is absolutely no reason not to own a proper safety belt. They can be purchased from Safety Supply on Memorial Ave. They can cost you between \$50 and \$60 for the harness and a lanyard. Is your life worth it? I know mine is. Here is a few recommendations on what to look for.

The best kind of belt is the yellow weaved nylon type. If you have a leather belt, I do not recommend using it. If you have one, throw it away. The problem with the leather belts is that they have a tendency to deteriorate, and can suddenly come apart on you. Unless you know how to inspect and test it, do not use it. The nylon type are not subject to this problem. Also, the leather belts can tear if there is a cut. The woven nylon type won't.

When you purchase one, get the kind with the two 'D' loops on it. the kind with one loop are meant as a safety line, and are not suitable for tower work. I tried one once, and my back hurt, and I found it very uncomfortable to use. The type with the two 'D' loops is much easier to use, and is better for tower work. If you plan on doing a lot of tower work, you can purchase a more expensive harness that has shoulder straps, and straps that go around the back of your legs. This is the best, in that 'sit' in it, and relieve some of the pressure on your legs. It is very comfortable to use, but then you get what you pay for.

As for lanyards, I recommend the shortest one available; generally two feet in length. This is very easy to use, in that you just hook it through the tower, and back on your belt. If you have a long lanyard; 4 feet or so, you will have to loop it through the tower several times before you are belted in. This becomes a big nuisance if you have to move

around the tower at all, and are forever looping, then unlooping your lanyard. The shorter the better. Also, when you are working on your tower, the lanyard has safety hooks on it with a spring mechanism to keep it closed. This should face away from the tower. Should you have the open side facing the tower, there is the possibility of leaning against the tower, and unhooking the belt. While it is a remote possibility, why take the chance?

There is one final reason for purchasing a good belt. You are putting your life on the line with your belt. By purchasing a good one, you can rest assured that it has been tested, and is designed for the job at hand. After all, how much is your life worth, and do you want to put your trust into a cheap piece of equipment that you are not sure of?

73

Tom - VE3CX

Editor:

In response to a statement in the October HI-Q, I am responsible for Arts resignation. That is not quite what I said. What I said and I will quote "I feel responsible in that it was my motion that lead to Arts resignation after a majority vote, not that I feel responsible for Art's resignation. That was Art's decision."

73's
Rich VE3OPI

Dirty Laundry

VE3OTI found a new way to stretch coax. VE3KRY returned to his old "hosing grounds". VE3PHL has a red hot rig!

VE3HFS is cashing in the summer crop, and planting a winter one ('hmmmm...funny how steel and aluminum grow...') VE3IY is a 2 meter SWL. VE3BBS has some new rotating copper. VE3CX has some new toys to play with. VE3PHT has some new (well, sort of new) rotating aluminum. VE3JAR is gearing up for 1296. VE3NHP is planning on trading in the three for a Four? (Heaven Forbid!) VE3NHN is keeping Robins Doughnuts in business...single handedly! VE3OTC went floating thru town. VE3JAJ is back to the Salt Mine after some "Extra Vacation".

Dear Fellow Radio Amateurs:

Shortly after my husband past away, a large meat tray came to my home from the Lakehead Amateur Radio Club. I was very touched that you folks cared enough to do that.

Then Coral and Gary Spence VE3PHR and VE3CK came to my home a few Saturdays ago with a card and contents. I will never be able to properly thank you for your kind thoughts, concern and extra Generousity. You are all good people.

Please know how appreciative I am for all that you have done.

Sincerely,
Pat Pugh - VE3PHU

The Christmas Radiograms

The Christmas Radio Program for Senior Citizens if not already considered, should be now planned. This HAM activity was initiated by the Lakehead Amateur Radio club in 1976. Radiograms were transmitted by club members for residents of Grandview Lodge, Dawson Court and Cumberland Hall, and brought much pleasure to those concerned.

When the Northwestern Senior Radio Club came into existence in 1979 it also assisted in the Christmas program along with unattached local HAMS.

Co-operation for this program is required by all to make it a success. What about a working committee to organize the 1986 project? If members of the Lakehead Amateur Radio Club, The Northwestern Senior Radio Club, and the coordinator for the senior Citizens Homes for the Aged working under the President of the L.A.R.C. it would make this program easier to accomplish.

Many of the Canadian and American Radio Nets have been helpful in handling the Christmas traffic, but organization is required. Your comments.

VE3AYZ

The Saltmine Net

Well, a lot happened with the saltmine net this month. Mind you a lot happens with the saltmine net every month. The net controlled by Arnold - VE3JAA received a total of 344 check-ins this month. Also there were numerous numbers of messages passed.

Arnold - VE3JAA after provoked by Richard - VE3OPT and

Garnet - VE3AUP decided on a new initiative for HAMS to check-in in the morning. An award is in the works for the HAMS who checks in the most regularly. There has not been an award as such suggested or considered as of yet but word has it that some of the guys are looking and thinking hard.

The most constant check-inner will be announced at the spring dinner meeting.

Also congratulations or in this case happy birthday wishes are in order. The salt mine net has or will have been on the air for two years on the 22 of this month (November that is). It looks as though both Arnold and the HAMS have checked should be thanked here. Great going guys, it is wonderful to see you working together so well.

Well, that just about wraps it up for this month on the saltmine net front.

73's

Garnet - VE3AUP

Antenna Season Now Open:

Now that snow has been spotted, a toot from Bill, XJ's trusty horn was heard, declaring the antenna season open. for those of you who cheated and did your antenna work in the summer (off limits to antenna work), may you suffer from high 'VSWR rusty bolts, blown finals and poor propagation! The rest of us have to suffer with frost bite!

The PHANTOM

An Editor's Note

Well, this concludes another HI-Q and I can not say it has not been fun. Once again I would like to thank all those who have contributed to this months bulliten.

As a word on the operations of the bulliten I can say that all is going well at HI-Q headquarters. The equipment has held out for another month and looks as though it will make it through the next month (HI HI).

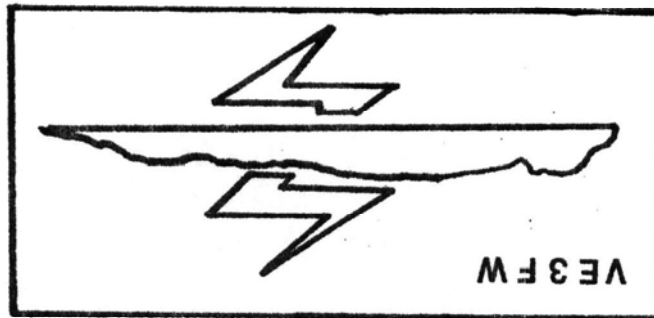
Welcome to all you new readers I hope that you will enjoy reading HI-Q as much as I have in the past. Also for those receiving a complementary copy I hope this issue will have impressed you enough to consider reading it in the future.

Til' next month,

Best 73's

Garnet - VE3AUP

173



LAKEHEAD AMATEUR RADIO CLUB
P.O. BOX 2571
THUNDER BAY, ONTARIO
P7B 5G1



TO:

Lindo Scalese VE3NHX
237 Dennis St.
THUNDER BAY, Ont. P7B 5H7.

H1-Q

FIRST CLASS